

Title (en)

Method of rejuvenation of hydrocarbon synthesis catalyst

Title (de)

Verfahren zur Reaktivierung von Kohlenwasserstoffsynthesekatalysatoren

Title (fr)

Procédé de réactivation de catalyseurs de synthèse d'hydrocarbures

Publication

EP 0590882 B1 19971203 (EN)

Application

EP 93307531 A 19930923

Priority

US 94993492 A 19920924

Abstract (en)

[origin: US5283216A] A cobalt- or ruthenium-containing hydrocarbon synthesis catalyst, subjected to short term, reversible, partial deactivation in a slurry synthesis process can be rejuvenated, i.e., at least about 80+% catalyst activity recovery, by treating the catalyst in the presence of liquid hydrocarbons, preferably the slurry hydrocarbons, with hydrogen at elevated temperatures and pressures.

IPC 1-7

C07C 1/04; **B01J 38/58**; **C10G 2/00**

IPC 8 full level

B01J 23/94 (2006.01); **B01J 38/10** (2006.01); **B01J 38/48** (2006.01); **B01J 38/58** (2006.01); **C07C 1/04** (2006.01); **C10G 2/00** (2006.01)

CPC (source: EP US)

B01J 23/94 (2013.01 - EP US); **B01J 38/10** (2013.01 - EP US); **B01J 38/48** (2013.01 - EP US); **B01J 38/58** (2013.01 - EP US); **C07C 1/045** (2013.01 - EP US); **C10G 2/331** (2013.01 - EP US); **C07C 2521/06** (2013.01 - EP US); **C07C 2523/46** (2013.01 - EP US); **C07C 2523/745** (2013.01 - EP US); **C07C 2523/75** (2013.01 - EP US); **C10G 2300/703** (2013.01 - EP US); **Y02P 20/584** (2015.11 - EP US)

Cited by

US6475943B1; EP1024896A4; AU704027B2; US6919290B2; WO9717137A1; KR100447016B1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

US 5283216 A 19940201; AU 4861893 A 19940331; AU 659392 B2 19950511; CA 2105133 A1 19940325; CA 2105133 C 20011023; DE 69315524 D1 19980115; DE 69315524 T2 19980625; EP 0590882 A1 19940406; EP 0590882 B1 19971203; MY 110163 A 19980228; NO 302277 B1 19980216; NO 933374 D0 19930922; NO 933374 L 19940325; US RE37515 E 20020115

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US 94993492 A 19920924; AU 4861893 A 19930923; CA 2105133 A 19930830; DE 69315524 T 19930923; EP 93307531 A 19930923; MY PI19931789 A 19930903; NO 933374 A 19930922; US 13341998 A 19980813